RATE ANALYSIS - 2016-17 - PWP&IWTD, SOUTH ZONE BANGALORE

Sl. No.	Description	Item No.	Page No.	Unit	Basic Rate as per 17-18	Lift charges	Basic Rate + Lift Charges	Sub Total	A.W	Total +A.W
									8%	
	CIVIL WORKS									
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 (PWD South Zone, BangaloreSR 2016-17 - Item No. - 2.01, Page No.5)	2.01	5	Cum.	157.00	0.00	157.00	157.00	12.56	169.56
2	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No. KBS 2.1(a) / 2.3.5 (PWD South Zone, BangaloreSR 2016-17 - Item No. - 2.03, Page No.5)	2.03	5	Cum.	189.00	0.00	189.00	189.00	15.12	204.12
3	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (PWD South Zone, BangaloreSR 2016-17 - Item No. - 3.02, Page No.9)	3.02	9	Sqm	103.00	0.00	103.00	103.00	8.24	111.24
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85Cum. and fine aggregates @ 0.57Cum. machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.03, Page No.12)	4.03	12	Cum.	4,867.00	0.00	4867.00	4,867.00	389.36	5,256.36
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (PWD South Zone, BangaloreSR 2016-17 - Item No. - 4.06, Page No.12)						0.00	-	-	-
a	Ground Floor	4.06	12	Cum.	5,441.00	0.00	5441.00	5,441.00	435.28	5,876.28
b	First Floor	4.06	12	Cum.	5,441.00	50.00	5491.00	5,491.00	439.28	5,930.28
c	Terrace	4.06	12	Cum.	5,441.00	100.00	5541.00	5,541.00	443.28	5,984.28
6	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. specification. No. KBS 2.9.9 / 2.9.10.1 / 2.1.1 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 2.12, Page No.6)	2.12	6	Cum.	254.00	0.00	254.00	254.00	20.32	274.32
7	KSRB 8.5 : Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications. (PWD South Zone, BangaloreSR 2016-17 - Item No. - 8.04, Page No.46)	8.04	46	Cum	1,902.00	0.00	1902.00	1,902.00	152.16	2,054.16
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.28, Page No.15)	4.28	15	Sqm.	231.00	0.00	231.00	231.00	18.48	249.48
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD South Zone, BangaloreSR 2016-17 - Item No. - 4.31, Page No.15)	4.31	15	Sqm	293.00	0.00	293.00	293.00	23.44	316.44
10	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.32, Page No.16)									
a	Ground Floor	4.32	16	Sqm.	366.00	0.00	366.00	366.00	29.28	395.28
b	First Floor	4.32	16	Sqm.	366.00	5.00	371.00	371.00	29.68	400.68
c	Terrace	4.32	16	Sqm.	366.00	10.00	376.00	376.00	30.08	406.08
11	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.34, Page No.16)						0.00	-	-	-
a	Ground Floor	4.34	16	Sqm.	256.00	0.00	256.00	256.00	20.48	276.48
b	First Floor	4.34	16	Sqm.	256.00	5.00	261.00	261.00	20.88	281.88
12	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.37, Page No.16)									
a	Ground Floor	4.37	16	Sqm.	270.00	0.00	270.00	270.00	21.60	291.60

a	First Floor	4.37	16	Sqm.	270.00	5.00	275.00	275.00	22.00	297.00
13	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.38, Page No.16)									
a	Ground Floor	4.38	16	Sqm.	475.00	0.00	475.00	475.00	38.00	513.00
14	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.18, Page No.15)									
a	Ground Floor	4.18	15	Sqm.	313.00	0.00	313.00	313.00	25.04	338.04
b	First Floor	4.18	15	Sqm.	313.00	5.00	318.00	318.00	25.44	343.44
15	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 Cum. and fine aggregtes @ 0.47Cum., with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.10, Page No.13)									
a	Ground Floor	4.10	13	Cum.	6,221.00	0.00	6221.00	6,221.00	497.68	6,718.68
16	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (PWD South Zone, BangaloreSR 2016-17 - Item No. - 4.12, Page No.13)									
a	Ground Floor	4.12	13	Cum.	6,367.00	0.00	6367.00	6,367.00	509.36	6,876.36
b	First Floor	4.12	13	Cum.	6,367.00	50.00	6417.00	6,417.00	513.36	6,930.36
c	Terrace	4.12	13	Cum.	6,367.00	100.00	6467.00	6,467.00	517.36	6,984.36
17	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175Cum. and fine aggregtes @ 0.0345Cum., with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.19, Page No.14)									
a	Ground Floor	4.19	14	Sqm.	456.00	0.00	456.00	456.00	36.48	492.48
b	First Floor	4.19	14	Sqm.	456.00	5.00	461.00	461.00	36.88	497.88
18	KSRB 4-2.12 : Extra for providing throating or drip moulding to R.C.C. chajja with plastering (labour charges only) as per specifications. Specification No. KBS (PWD South Zone, BangaloreSR 2016-17 - Item No. - 4.21, Page No.14)									
a	Ground Floor	4.21	14	M	20.00	0.00	20.00	20.00	1.60	21.60
b	First Floor	4.21	14	M	20.00	0.00	20.00	20.00	1.60	21.60
19	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.46.2, Page No.17) Lift charges for steel of all diameters for additional floors over ground floor per floor height of 3.5 m. or part thereof cost of labour, complete as per specifications. (PWD South Zone, BangaloreSR 2016-17 - Item No. - 4.47, Page No.18)									
a	Ground Floor	4.46.2 & 4.47	17	Tonne	60,607.00	0.00	60607.00	60,607.00	4,848.56	65,455.56
b	First Floor	4.46.2 & 4.47	17	Tonne	60,607.00	472.00	61079.00	61,079.00	4,886.32	65,965.32
c	Terrace	4.46.2 & 4.47	17	Tonne	60,607.00	944.00	61551.00	61,551.00	4,924.08	66,475.08
20	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD South Zone, Bangalore SR 2016-17 - Item No. - 5.09, Page No.23)									
a	Ground Floor	5.09	23	Cum.	5,005.00	0.00	5005.00	5,005.00	400.40	5,405.40
21	KSRB 5.4-3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 (PWD South Zone, Bangalore SR 2016-17 - Item No. - 5.12, Page No.23)									
a	Ground Floor	5.12	23	Cum.	5,249.00	0.00	5249.00	5,249.00	419.92	5,668.92
22	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (PWD South Zone, Bangalore SR 2016-17 - Item No. - 15.01, Page No.113)									
a	Ground Floor	15.01	113	Sqm	97.00	0.00	97.00	97.00	7.76	104.76

23	KSRB 5-14: Providing and constructing **load bearing wall with solid concrete blocks** having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 with solid concrete blocks of size **400x200x200mm** (PWD South Zone, Bangalore SR 2016-17 - Item No. - 5.26.1, Page No.25)									
a	Ground Floor	5.26.1	25	Sqm	937.00	0.00	937.00	937.00	74.96	1,011.96
b	First Floor	5.26.1	25	Sqm	937.00	5.00	942.00	942.00	75.36	1,017.36
c	Terrace	5.26.1	25	Sqm	937.00	10.00	947.00	947.00	75.76	1,022.76
24	KSRB 5-15: Providing and constructing **non load bearing wall with solid concrete blocks of size 400x100x200mm** having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 (PWD South Zone, Bangalore SR 2016-17 - Item No. - 5.28, Page No.25)									
a	Ground Floor	5.28	25	Sqm.	716.00	0.00	716.00	716.00	57.28	773.28
b	First Floor	5.28	25	Sqm.	716.00	5.00	721.00	721.00	57.68	778.68
c	Terrace	5.28	25	Sqm.	716.00	10.00	726.00	726.00	58.08	784.08
25	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 15.17, Page No.114)									
a	Ground Floor	15.17	114	Sqm.	198.00	0.00	198.00	198.00	15.84	213.84
b	First Floor	15.17	114	Sqm.	198.00	10.00	208.00	208.00	16.64	224.64
c	Terrace	15.17	114	Sqm.	198.00	20.00	218.00	218.00	17.44	235.44
26	KSRB15-4.4 Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 18mm thick cost of materials complete as per specifications. (PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.26, Page No.114)									
a	Ground Floor	15.26	114	Sqm.	8.00	0.00	8.00	8.00	0.64	8.64
b	First Floor	15.26	114	Sqm.	8.00	0.00	8.00	8.00	0.64	8.64
c	Terrace	15.26	114	Sqm.	8.00	0.00	8.00	8.00	0.64	8.64
27	KSRB 15.8.2 Providing and fixing **plaster mesh 150mm wide manufactured** out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) (PWD South Zone, Bangalore SR 2016-17 - Item No. - 15.35, Page No.115)									
a	Ground Floor	15.35	115	Rmtr.	36.00	0.00	36.00	36.00	-	36.00
b	First Floor	15.35	115	Rmtr.	36.00	0.00	36.00	36.00	-	36.00
28	KSRB15-3.6 : Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.14, Page No.113)									
a	Ground Floor	15.14	113	Sqm.	167.00	0.00	167.00	167.00	13.36	180.36
b	First Floor	15.14	113	Sqm.	167.00	5.00	172.00	172.00	13.76	185.76
29	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.21, Page No.114)									
a	Ground Floor	15.21	114	Sqm.	193.00	0.00	193.00	193.00	15.44	208.44
b	First Floor	15.21	114	Sqm.	193.00	5.00	198.00	198.00	15.84	213.84
30	KSRB 14.10-2: Flooring with 20 mm thick polished shahabad slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Specification No. KBS (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 14.16, Page No.103)									
a	Ground Floor	14.16	103	Sqm.	1,199.00	0.00	1199.00	1,199.00	95.92	1,294.92
b	First Floor	14.16	103	Sqm.	1,199.00	1.50	1200.50	1,200.50	96.04	1,296.54
31	Providing half nosing for 20mm thick granite / shahbad slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification (PWD South Zone, BangaloreSR 2016-17 - Item No. - 14.56, Page No.109)									
a	Ground Floor	14.56	109	Mtr.	158.00	0.00	158.00	158.00	12.64	170.64
b	First Floor	14.56	109	Mtr.	158.00	0.00	158.00	158.00	12.64	170.64
32	Providing and finishing **external walls in two coats over one coat of primer with antifungal paint** of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (PWD North East Zone, Kalburagi SR 2016-17 - Item No. - 15.104, Page No.125)									
a	Ground Floor	15.104	125	Sqm.	151.00	0.00	151.00	151.00	12.08	163.08
b	First Floor	15.104	125	Sqm.	151.00	6.00	157.00	157.00	12.56	169.56
c	Terrace	15.104	125	Sqm.	151.00	12.00	163.00	163.00	13.04	176.04
33	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. (PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.106, Page No.126)									
a	Ground Floor	15.106	126	Sqm.	56.00	0.00	56.00	56.00	4.48	60.48
b	First Floor	15.106	126	Sqm.	56.00	0.00	56.00	56.00	4.48	60.48

34	KSRB 15-15.1 : Providing and applying painting in two coats with **plastic emulsion paint of approved brand on wall surface** to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer **(Internal Painting)**									
a	Ground Floor	15.51.2	117	Sqm.	90.00	0.00	90.00	90.00	7.20	97.20
b	First Floor	15.51.2	117	Sqm.	90.00	0.00	90.00	90.00	7.20	97.20
35	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications. (PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.51.3, Page No.117)									
a	Ground Floor	15.51.3	117	Sqm.	94.00	0.00	94.00	94.00	7.52	101.52
b	First Floor	15.51.3	117	Sqm.	94.00	0.00	94.00	94.00	7.52	101.52
36	KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. (PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.73, Page No.121)									
a	Ground Floor	15.73	121	Sqm	29.00	0.00	29.00	29.00	2.32	31.32
b	First Floor	15.73	121	Sqm	29.00	0.00	29.00	29.00	2.32	31.32
37	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.74, Page No.121)									
a	Ground Floor	15.74	121	Sqm	82.00	0.00	82.00	82.00	6.56	88.56
b	First Floor	15.74	121	Sqm	82.00	0.00	82.00	82.00	6.56	88.56
38	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (PWD South Zone, BangaloreSR 2016-17 - Item No. - 7.09, Page No.32)									
a	Ground Floor	7.9	32	Kg	78.00	0.00	78.00	78.00	6.24	84.24
39	Door Frame - Entrance : Providing & fixing factory made Galvanized plain steel door frame of profile size 125 x 60 mm single rebate manufactured from galvanized plain steel sheet 1.25 mm thick, conforming to IS:277. The door frame consists of hinge jamb, lock jamb, head & bottom tie bars, supply in knockdown condition & to be assembled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60 mm thick pressed angle 20 x 20 mm screwed to the door frame. The stiffeners of 3 mm thick pre-punched & pre-trapped are to be welded inside the pre-punched slots of the door frames & 4 nos. of S.S. butt hinges 100 x 59 x 2.5 mm to be screwed to the door frame. The necessary stiffeners & mortar guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pre- treatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/ hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. size 1000 x 2130 mm (PWD South Zone, BangaloreSR 2016-17 - Item No. - 38.49.1, Page No.313)									
a	Ground Floor	38.49.1	313	Rmtr.	610.00	0.00	610.00	610.00	48.80	658.80
b	First Floor	38.49.1	314	Rmtr.	610.00	0.00	610.00	610.00	48.80	658.80
40	**Door Shutters Entrance : Providing & fixing factory made Galvanized steel door Shutters 32 mm thick manufactured from pre- painted Galvanized plain steel sheet 0.60 mm thick** conforming to the IS: 14246. The door shutters consist of two outer skins if steel sheets, lock seam jointed at vertical stile edges, horizontal top & bottom sides to form a double skin fully flush shell. Rigid polyurethane Foam (PUF) of density 40 Kg/M3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of the Galvanized plain steel sheet of minimum thickness 1.60 mm to be provided for fixing all hardware fixtures. The rate is including **MS Doorlock, MS Aldrop, 2nos of oxidised MS Handles, 2nos. of 300mm longTower Bolt**, transportation, loading, unloading, HOM etc.									
a	Ground Floor	Arrived rate		Sqm.	3,530.00	0.00	3530.00	3,530.00	282.40	3,812.40
b	First Floor	Arrived rate		Sqm.	3,530.00	0.00	3530.00	3,530.00	282.40	3,812.40
41	KSRB 7.7 : Providing and fixing in position in **cement concrete 1:3:6 steel glazed or Unglazed windows** fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing **4mm thick reeded glass with teakwood beading of required size or 1mm thick MS Sheet and 11 nos of 10mm square MS horizontal gaurd bars,** all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically.All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixturted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excludi									
a.	Ground Floor	Arrived rate		Sqm.	3,960.33	0.00	3960.33	3,960.33	316.83	4,277.16
b.	First Floor	Arrived rate		Sqm.	3,960.33	5.00	3965.33	3,965.33	317.23	4,282.56

42	Providing and fixing M.S. Hand railing for Balcony / Staircase etc., with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing. (PWD South Zone, BangaloreSR 2016-17 - Item No. - 7.35, Page No.42)						0.00	-	-	-
a	Ground Floor	7.35	42	Sqm	2,646.00	0.00	2646.00	2,646.00	211.68	2,857.68
43	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/ sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick joint less cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (PWD South Zone, Bangalore SR 2016-17 - Item No. - 10.02, Page No.66)									
c	Terrace	10.2	66	Sqm.	904.00	0.00	904.00	904.00	72.32	976.32
44	Providing and fixing on wall surface **2.5kg/sq.cm P.V.C rain down water pipes (Spouts) 110mm outer dia** approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications.									
c	Terrace	Arrived Rate	8.17	M	470.00	0.00	470.00	470.00	37.60	507.60
45	Providing wall **black boards in CM 1:3** with two coats of black paint including finishing etc., complete. (2.4mx1.5m)									
a	Ground Floor	37.30	264	Each	919.00	0.00	919.00	919.00	73.52	992.52
b	First Floor	37.30	264	Each	919.00	0.00	919.00	919.00	73.52	992.52

BRUHAT BANGALORE MAHANAGARA PALIKE

Name Of the Work : 1. Construction of Govt. School Rooms, Palanahalli and Kattigehalli Village in Ward No.05 (Palanahalli)

Sl. No.	Description of work	Unit	No.	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
1	KSRB 2-1.1 : Earthwork in surface excavation in Ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 Note : Adopt item 2.24 for excavation in all types of soils for lowering & levelling the ground for building works by mechanical means	Cum							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 2.01, Page No.5)		1	11.10	17.50	0.10	19.43		
						Say	**19.50**	**169.56**	**3306.00**
2	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in **Ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No. KBS 2.1(a) / 2.3.5	Cum							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 2.03, Page No.5)								
	F1		8	2.10	2.10	1.60	56.45		
	SSM		1	5.00	0.75	0.75	2.81		
							59.26		
						Say	**59.30**	**204.12**	**12104.00**
3	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional **Anti-Termite Treatment,** creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7	Sqm							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 3.02, Page No.9)								
	Plinth Area		1	6.10	5.90		35.99		
						Say	**36.00**	**111.24**	**4005.00**
4	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with **40mm** and down size graded granite metal coarse aggregates @0.85Cum. and fine aggregates @ 0.57Cum. machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.03, Page No.12)								
	Footing								
	F1		8	1.40	1.40	0.15	2.35		
	SSM		1	24.00	0.75	0.15	2.70		

Sl. No.	Description of work	Unit	No.	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	For Flooring								
	Class Room 1		1	5.70	5.10	0.10	2.91		
	Corridor		1	6.10	1.85	0.10	1.13		
	Flagging Conrete		1	27.70	0.45	0.10	1.25		
							10.33		
						Say	**10.40**	**5256.36**	**54666.00**
5	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size** graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 4.06, Page No.12)								
	Ground Floor								
	DPC		1	24.00	0.45	0.10	1.08		
	Window Cills - W		4	1.50	0.20	0.10	0.12		
							1.20		
						Say	**1.20**	**5876.28**	**7052.00**
	First Floor								
	Window Cills								
	W		4	1.50	0.20	0.10	0.12		
	Coping - Bacony Parapet		1	3.65	0.10	0.10	0.04		
							0.16		
						Say	**0.20**	**5930.28**	**1186.00**
	Terrace								
	Parapet Coping		1	25.00	0.10	0.10	0.25		
						Say	**0.30**	**5984.28**	**1795.00**
6	KSRB 2.5 : **Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms.** in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. specification. No. KBS 2.9.9 / 2.9.10.1 / 2.1.1	cum							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 2.12, Page No.6)								
	Dias		1	3.10	1.30	0.15	0.60		
	Class Room 1		1	5.80	5.10	0.60	17.75		
	Corridor		1	25.00	1.50	0.60	22.50		
	EWE in ordinary soil						59.30		
	Total Filling Qty Required						**100.15**		
	Deduct For								
	PCC for footings, Plinth						-5.05		
	RCC for footings, SSM, Column						-11.62		
							83.48		
	Net Deposited Soil						83.48		
	Add 30% for Plinth Variation						25.04		
							108.52		
						Say	**108.60**	**274.32**	**29791.00**
7	KSRB 8.5 : Providing and laying **cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal** gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications.								
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 8.04, Page No.46)								
	First Floor								
	Fillling for Dias		1	2.60	1.30	0.10	**0.34**		
						Say	**0.40**	**2054.16**	**822.00**
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **foundations, footings, bases of columns** for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2	Sqm							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.28, Page No.15)								
	For PCC Bed								

	Description of work	Unit	No.	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
			8	5.60		0.15	6.72		
	Pier Footing								
	P1		8	4.80		0.50	19.20		
							25.92		
						Say	**26.00**	**249.48**	**6486.00**
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD South Zone, BangaloreSR 2016-17 - Item No. - 4.31, Page No.15)	Sqm							
	Below Ground Floor								
	Plinth Beam - alround		1	24.00		0.90	21.60		
						Say	**21.60**	316.44	**6835.00**
10	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for **columns, pillars, post and struts, square / rectangular/ polygon** in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.32, Page No.16)								
	Below Ground Floor								
	C1		8	1.40		0.95	10.64		
						Say	**10.70**	395.28	**4229.00**
	Ground Floor								
	C1		8	1.40		2.70	30.24		
						Say	**30.30**	395.28	**11977.00**
	First Floor								
	C1		8	1.40		2.70	30.24		
						Say	**30.30**	400.68	**12141.00**
11	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of **form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels** not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.34, Page No.16)								
	Lintel								
	Ground Floor		1	23.20		0.50	11.60		
						Say	**11.60**	276.48	**3207.00**
	First Floor		1	23.20		0.50	11.60		
						Say	**11.60**	281.88	**3270.00**
	Roof Beam								
	Ground Floor								
	FB1 - alround		1	25.00		0.95	23.75		
	FB2 - Intermediate		1	6.10		0.80	4.88		
							28.63		
						Say	**28.70**	276.48	**7935.00**
	First Floor								
	FB1 - alround		1	25.00		0.95	23.75		
	FB2 - Intermediate		1	6.10		0.80	4.88		
							28.63		
						Say	**28.70**	281.88	**8090.00**
12	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for **chajjas, corbels** etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.37, Page No.16)								
	Ground Floor								
	D1		1	1.35	0.60		0.81		
	W		2	1.50	0.60		1.80		
							2.61		
						Say	**2.70**	291.60	**787.00**
	First Floor								
	W		2	2.10	0.60		2.52		

	Description of work	Unit	No.	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
						Say	2.60	297.00	772.00
13	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of **form work for Stairs (excluding landing) except spiral staircase** including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2	Sqm							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.38, Page No.16)								
	Ground Floor								
	Staircase						6.48		
	Waist slab		2	3.60	0.90		1.08		
	Sides		2	3.60		0.15	2.84		
	Riser		21	0.90		0.15	**10.40**		
						Say	**10.40**	513.00	**5335.00**
14	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **flat surface such as roofs, landings, balconies and likes**, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2	Sqm							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.18, Page No.15)								
	Ground Floor						29.07		
	S1		1	5.70	5.10		2.65		
	S2		1	2.650	1.00		1.67		
	Mid Landing		1	1.85	0.90		**33.39**		
						Say	**33.40**	338.04	**11291.00**
	First Floor						29.07		
	S1		1	5.70	5.10		5.70		
	S2		1	5.70	1.00		**34.77**		
						Say	**34.80**	343.44	**11952.00**
15	KSRB 4.2.1 : Providing and laying in position **reinforced cement concrete of Design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 Cum. and fine aggregtes @ 0.47Cum., with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in **foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc.**, including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.10, Page No.13)								
	Below Ground Level								
	Footing		8	1.20	1.20	0.50	5.76		
	F1								
	Plinth Beam		1	24.00	0.20	0.45	2.16		
	Plinth Beam - alround						**7.92**		
						Say	**8.00**	6718.68	**53749.00**

No.	Description of work	Unit	No.	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	KSRB 4.2.7 : Providing and laying in position **reinforced cement concrete of design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, **columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets** etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 4.12, Page No.13)								
	Coulmn								
	Below Ground Level								
	C1		8	0.20	0.50	0.95	0.76		
							0.76		
	Ground Floor								
	C1		8	0.20	0.50	2.70	2.16		
							2.16		
	Lintels								
	Ground Floor		1	23.20	0.20	0.15	0.70		
							0.70		
	Roof Beam								
	Ground Floor								
	FB1 - alround		1	25.0	0.20	0.30	1.50		
	FB2 - Intermediate		1	6.1	0.20	0.30	0.37		
							1.87		
	Slabs								
	S1		1	5.70	5.10	0.15	4.36		
	S2		1	2.65	1.00	0.15	0.40		
	Mid Landing		1	1.85	0.90	0.15	0.25		
							5.01		
	Staircase								
	Waist slab		2	3.60	0.90	0.15	0.97		
	Steps		21	0.90	0.30	0.15	0.85		
							1.82		
							12.31		
						Say	**12.40**	**6876.36**	**85267.00**
	First Floor								
	Coulmns								
	C1		8	0.20	0.50	2.7	2.16		
							2.16		
	Lintels		1	23.20	0.20	0.15	0.70		
							0.70		
	Roof Beams								
	FB1 - alround		1	25.00	0.20	0.30	1.50		
	FB2 - Intermediate		1	6.10	0.20	0.30	0.37		
							1.87		
	Slabs								
	S1		1	5.70	5.10	0.15	4.36		
	S2		1	5.70	1.00	0.15	0.86		
							5.22		
							9.94		
						Say	**10.00**	**6930.36**	**69304.00**
17	KSRB 4.2.10 : Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175Cum. and fine aggregtes @ 0.0345Cum., with superplastisiser @0.225lts, machine mixed, well compacted for **plain chajja of 7.5 cms. average thickness,** upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Sqm							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.19, Page No.14)								
	Ground Floor								

Sl. No.	Description of work	Unit	No.	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	D1		1	1.35	0.60		0.81		
	W		2	1.50	0.60		1.80		
							2.61		
						Say	**2.70**	492.48	**1330.00**
	First Floor								
	W		2	2.10	0.60		2.52		
						Say	**2.60**	497.88	**1294.00**
18	KSRB 4-2.12 : Extra for providing throating or **drip moulding** to R.C.C. chajja with plastering (labour charges only) as per specifications. Specification No. KBS	m							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 4.21, Page No.14)								
	Ground Floor								
	D1		1	1.35			1.35		
	W		2	1.50			3.00		
							4.35		
						Say	**4.40**	21.60	**95.00**
	First Floor								
	W		2	2.10			4.20		
						Say	**4.20**	**21.60**	**91.00**
19	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500**	Tonne							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.46.2, Page No.17)								
	Below Ground Level								
	Footings	Cum		5.76	60.00	Kg/Cum	345.60		
	Plinth beam	Cum		2.16	125.00	Kg/Cum	270.00		
	Columns	Cum		0.76	200.00	Kg/Cum	152.00		
						Kgs	**767.60**		
						MT	**0.77**		
						Say	**0.80**	**65455.56**	**52364.00**
	Ground Floor								
	Columns	Cum		2.16	200.00	Kg/Cum	432.00		
	Lintel	Cum		0.70	100.00	Kg/Cum	69.60		
	Beams	Cum		1.87	125.00	Kg/Cum	233.25		
	Slab	Cum		5.01	100.00	Kg/Cum	500.78		
	Staircase	Cum		1.82	125.00	Kg/Cum	227.81		
	Chajja	Sqm		0.20	70.00	Kg/Cum	14.18		
						Kgs	**1477.61**		
						MT	**1.48**		
						Say	**1.50**	**65455.56**	**98183.00**
	First Floor								
	Columns	Cum		2.16	200.00	Kg/Cum	432.00		
	Lintel	Cum		0.70	100.00	Kg/Cum	69.60		
	Beams	Cum		1.87	125.00	Kg/Cum	233.25		
	Slab	Cum		5.22	100.00	Kg/Cum	521.55		
	Chajja	Sqm		0.20	70.00	Kg/Cum	13.65		
						Kgs	**1270.05**		
						MT	**1.27**		
						Say	**1.30**	**65965.32**	**85755.00**
20	KSRB 5.3-3 : Providing and constructing **granite / trap / basalt size stone masonry in basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum							
	(PWD South Zone, Bangalore SR 2016-17 - Item No. - 5.09, Page No.23)								
	SSM								
	1st Course		1	24.00	0.60	0.20	2.88		
	2nd Course		1	24.00	0.45	0.20	2.16		
							5.04		
						Say	**5.10**	**5405.40**	**27568.00**

No.	Description of work	Unit	No.	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
21	KSRB 5.4-3 : Providing and constructing **granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6** , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13	Cum							
	(PWD South Zone, Bangalore SR 2016-17 - Item No. - 5.12, Page No.23)								
	3rd Course		1	24.00	0.45	0.20	2.16		
						Say	**2.20**	**5668.92**	**12472.00**
22	KSRB 15.1.1 Providing flush pointing to **square rubble, course or uncoursed stone masonry with cement mortar 1:3**, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
	(PWD South Zone, Bangalore SR 2016-17 - Item No. - 15.01, Page No.113)								
	3rd Course		1	24.00		0.20	4.80		
						Say	**4.80**	**104.76**	**503.00**
23	KSRB 5-14: Providing and constructing **load bearing wall with solid concrete blocks** having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 with solid concrete blocks of size **400x200x200mm**	Sqm							
	(PWD South Zone, Bangalore SR 2016-17 - Item No. - 5.26.1, Page No.25)								
	Ground Floor								
	Alround		1	23.20		2.70	62.64		
	Dias		1	6.50		0.15	0.98		
	Deductions								
	D1		-1	1.05		2.10	-2.21		
	W		-4	1.20		1.20	-5.76		
							55.65		
						Say	**55.70**	**1011.96**	**56366.00**
	First Floor								
	Alround		1	23.20		2.70	62.64		
	Dias		1	6.50		0.15	0.98		
	Deductions								
	D1		-1	1.05		2.10	-2.21		
	W		-4	1.20		1.20	-5.76		
							55.65		
						Say	**55.70**	**1017.36**	**56667.00**
	Terrace								
	Dummy Columns		8	0.80		0.75	4.80		
						Say	**4.80**	**1022.76**	**4909.00**
24	KSRB 5-15: Providing and constructing **non load bearing wall with solid concrete blocks of size 400x100x200mm** having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 Page No.25)	Sqm							
	(PWD South Zone, Bangalore SR 2016-17 - Item No. - 5.28,								
	Ground Floor								
	Parapet Wall for Balcony		1	4.95		1.20	5.94		
						Say	**6.00**	**773.28**	**4640.00**
	First Floor								
	Parapet Wall for Balcony		1	8.10		1.20	9.72		
						Say	**9.80**	**778.68**	**7631.00**
	Terrace								
	Parapet Wall		1	25.00		0.75	18.75		
						Say	**18.80**	**784.08**	**14741.00**

No.	Description of work	Unit	No.	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
25	KSRB15-3.9 :Providing **18mm thick cement plaster in single coat with cement mortar 1:6,** to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **(Outside plastering)**	Sqm							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 15.17, Page No.114)								
	Ground Floor								
	Alround		1	23.20		3.15	73.08		
	Chajja Plastering								
	D1		2	1.35	0.60		1.62		
			1	3.90		0.10	0.39		
	W		4	1.50	0.60		3.60		
			2	4.20		0.10	0.84		
		Coeff							
	Deduction for opening	0.5	-1	1.05		2.10	-1.10		
	D1	0.5	-4	1.20		1.20	-2.88		
	W						75.55		
						Say	**76.00**	**213.84**	**16252.00**
	First Floor		1	23.20		3.15	73.08		
	Alround								
	Chajja Plastering		2	1.35	0.60		1.62		
	D1		1	3.90		0.10	0.39		
			4	1.50	0.60		3.60		
	W		2	4.20		0.10	0.84		
		Coeff							
	Deduction for opening	0.5	-1	1.05		2.10	-1.10		
	D1	0.5	-4	1.20		1.20	-2.88		
	W						75.55		
						Say	**76.00**	**224.64**	**17073.00**
	Terrace		2	25.00		0.75	37.50		
	Parapet		1	25.00	0.10		2.50		
			8	0.8		0.75	4.80		
	Dummy Columns						**44.80**		
						Say	**45.00**	**235.44**	**10595.00**
26	KSRB15-4.4 Extra for providing and mixing **waterproofing compound in cement plaster work at one kg per bag** or in the proportion recommended by the manufacturers, **for cement mortar 1:4, 18mm thick** cost of materials complete as per specifications.	Sqm							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.26, Page No.114)								
	Ground Floor						**76.00**	**8.64**	**657.00**
	Qty same as External Plastering								
	First Floor						**76.00**	**8.64**	**657.00**
	Qty same as External Plastering								
	Terrace						**45.00**	**8.64**	**389.00**
	Qty same as External Plastering								
27	KSRB 15.8.2 Providing and fixing **plaster mesh 150mm wide manufactured** out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment)	m							
	(PWD South Zone, Bangalore SR 2016-17 - Item No. - 15.35, Page No.115)								
	Ground Floor						92.80		
	Wall to Beam Junction		4	23.20					
	Wall Column Junction		10			3.00	30.00		
							122.80		
						Say	**123.00**	**36.00**	**4428.00**
	First Floor						92.80		
	Wall to Beam Junction		4	23.20					
	Wall Column Junction		10			3.00	30.00		
							122.80		
						Say	**123.00**	**36.00**	**4428.00**

	Description of work	Unit	No.	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	KSRB15-3.6 : Providing **15mm thick cement plaster in single coat with cement mortar 1:6,** to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **(Internal Plastering)**	Sqm							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.14, Page No.113)								
	Ground Floor								
	Class Room		1	21.60		3.00	64.80		
	Deductions	Coeff							
	D1	0.50	-1	1.05		2.10	-1.10		
	W	0.50	-4	1.20		1.20	-2.88		
							60.82		
						Say	**61.00**	**180.36**	**11002.00**
	First Floor								
	Class Room		1	21.60		3.00	64.80		
	Deductions	Coeff							
	D1	0.50	-1	1.05		2.10	-1.10		
	W	0.50	-4	1.20		1.20	-2.88		
							60.82		
						Say	**61.00**	**185.76**	**11331.00**
29	KSRB15-3-13 : Providing **12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.21, Page No.114)								
	Ground Floor								
	Class Room		1	5.10	5.70		29.07		
	Corridor Portion		1	6.10	1.00		6.10		
							35.17		
						Say	**36.00**	**208.44**	**7504.00**
	First Floor								
	Class Room		1	5.10	5.70		29.07		
	Corridor Portion		1	6.10	1.00		6.10		
							35.17		
						Say	**36.00**	**213.84**	**7698.00**
30	KSRB 14.10-2: **Flooring with 20 mm thick polished shahabad slabs using cement mortar 1:6,** 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Specification No. KBS	Sqm							
	(PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 14.16, Page No.103)								
	Ground Floor								
	Flooring								
	Classroom		1	5.70	5.10		29.07		
	Corridor		1	6.10	1.00		6.10		
	At Door Gap		1	1.05	0.20		0.21		
	Window Cills								
	W		4	1.50	0.23		1.38		
	Staircase								
	Risers		22	0.90		0.15	2.97		
	Tread		21	0.90	0.30		5.67		
	Landing		1	1.85	0.90		1.67		
	Skirting								
	Classroom		1	21.60		0.10	2.16		
	Corridor		1	6.10		0.10	0.61		
	Dias		1	6.50		0.15	0.98		
							50.81		
						Say	**51.00**	**1294.92**	**66041.00**
	First Floor								
	Flooring								
	Classroom		1	5.70	5.10		29.07		
	Corridor		1	2.85	1.00		2.85		
	At Door Gap		1	1.05	0.20		0.21		
	Window Cills								
	W		4	1.50	0.23		1.38		

	Description of work	Unit	No.	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	Staircase								
	Risers		22	0.90		0.15	2.97		
	Tread		21	0.90	0.30		5.67		
	Landing		1	1.85	0.90		1.67		
	Skirting								
	Classroom		1	21.60		0.10	2.16		
	Corridor		1	2.85		0.10	0.29		
	Dias		1	6.50		0.15	0.98		
							47.24		
						Say	**48.00**	**1296.54**	**62234.00**
31	Providing **half nosing for 20mm thick granite / shahbad slab** using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification	Rmt							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 14.56, Page No.109)								
	Ground Floor								
	Skirting								
	Dias		1	6.50			6.50		
	Staircase Tread		21	0.90			18.90		
							25.40		
						Say	**26.00**	**170.64**	**4437.00**
	First Floor								
	Skirting								
	Dias		1	6.50			6.50		
	Staircase Tread		21	0.90			18.90		
							25.40		
						Say	**26.00**	**170.64**	**4437.00**
32	Providing and finishing **external walls in two coats over one coat of primer with antifungal paint** of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm							
	(PWD South Zone, BangaloreSR 2016-17- Item No. - 15.104, Page No.125)								
	Ground Floor								
	Same as External Plastering						**76.00**	**163.08**	**12394.00**
	First Floor								
	Same as External Plastering						**76.00**	**169.56**	**12887.00**
	Terrace								
	Same as External Plastering						**45.00**	**176.04**	**7922.00**
33	Providing applying **two coats of wall putty to inside plastered walls and ceiling** using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. **(Internal Walls)**	Sqm							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.106, Page No.126)								
	Ground Floor								
	Same as Internal & ceiling Plastering						**97.00**	**60.48**	**5867.00**
	First Floor								
	Same as Internal & ceiling Plastering						**98.62**	**60.48**	**5965.00**
34	KSRB 15-15.1 : Providing and applying painting in two coats with **plastic emulsion paint of approved brand** to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer	Sqm							
	(PWD South Zone, BangaloreSR 2016-17 - Item No. - 15.51.2, Page No.117)								
	Ground Floor								
	Same as Internal Plastering						**61.00**	**97.20**	**5929.00**